

CLAIMS

1. A reinforcing bar binding machine comprising:
 - a binding wire feed mechanism for feeding out a binding wire so as to wind around a reinforcing bar;
 - a binding wire grasp mechanism for grasping and twisting the winding wire wound around the reinforcing bar;
 - a binding wire pull back mechanism for pulling back a loop of the binding wire wound around the reinforcing bar to be brought into close contact with the reinforcing bar and thereafter twisting the binding wire;
 - control means for reversely rotating a drive system of the binding wire feed mechanism by a predetermined rotational number in pulling back the binding wire; and
 - means for permitting to slip the drive system for restricting a pull back tension exerted to the binding wire to be equal to or smaller than a limit value of cutting the binding wire.
2. The reinforcing bar binding machine according to Claim 1, wherein the binding wire feed mechanism comprises:
 - a main drive sheave; and
 - a driven sheave brought into elastic contact with the main drive sheave, and

when a feedback tension exerted to the binding wire pinched between the pair of sheaves exceeds a certain value, the sheaves

are idly rotated and the pull back tension exerted to the binding wire is restricted.

3. The reinforcing bar feeding machine according to Claim 5, wherein the binding wire feed mechanism comprises:

a main drive sheave; and
a driven sheave brought into elastic contact with the main drive sheave,

the drive system of the binding wire feed mechanism includes 10 a torque limiter, and

when a pull back tension exerted to the binding wire pinched between the pair of grooves wheels exceeds a certain value, the main drive sheave and the driven sheave are stopped so as to restrict the pull back tension exerted to the binding 15 wire.

4. The reinforcing bar binding machine according to Claim 3, wherein the torque limiter is a friction clutch or a ball clutch.